

PATENT
6537/CMI/TICL/LE

#4

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

COPY OF PAPERS
ORIGINALLY FILED

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

SHOWERHEAD ASSEMBLY FOR A PROCESSING CHAMBER

The specification of which:

- ☐ filed herewith;
- ☒ was filed on January 15, 2002, under Serial No. 10/047,076, executed on even date herewith; or
- ☐ Express Mail No. _____ (Serial No. not yet known)
and was amended on _____ (if applicable)
- ☐ was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____.

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56, and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any provisional or foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:
Application No:
Filing date:

C. U.S. Provisional Application filed within 12 months prior to this application

<u>Serial No.</u>	<u>Filing Date</u>

PRIORITY CLAIM (35 U.S.C. §120)

I hereby claim the benefit under Title 35, United States Code, Section 120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

☒ No such applications have been filed

☐ Such application have been filed, as follows:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Status</u>
		<u>Patented Pending</u> <u>Abandoned</u>

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Donald Verplancken	Registration No. 33,217
Peter J. Sgarbossa	Registration No. 25,610
Lawrence Edelman	Registration No. 25,226
Raymond Kam-On Kwong	Registration No. 37,165
James C. Wilson	Registration No. 35,412
Michael B. Einschlag	Registration No. 29,301
Robert W. Mulcahy	Registration No. 25,436

Walter Benjamin Glenn
Joseph Bach
B. Todd Patterson
Raymond R. Moser, Jr.
Keith M. Tackett
Joseph Pagnotta

Registration No. 44,713
Registration No. 37,771
Registration No. 37,906
Registration No. 34,682
Registration No. 32,008
Registration No. 39,322

Send correspondence to:

Patent Counsel
APPLIED MATERIALS, INC.
P. O. Box 450-A
Santa Clara, CA 95052

Direct telephone calls to:

B. Todd Patterson
MOSER, PATTERSON & SHERIDAN, L.L.P.
Telephone No. (713) 623-4844

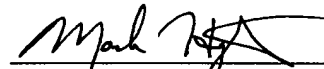
DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of **sole or first** inventor: MARK M. HYTROS

Inventor's signature: _____

Residence:


592 Mill Creek Lane
Santa Clara, CA 95051

Date: 4/25/02

Post Office Address:

Same as above

Country of Citizenship: U.S.A.

Full name of **second** inventor: TRUC T. TRAN

Inventor's signature: _____

Residence:

45354 Rutherford Terrace
Fremont, CA 94539

Date: _____

Post Office Address:

Same as above

Country of Citizenship: U.S.A.

Full name of **third** inventor: HONGBEE TEOH

Inventor's signature: _____

Residence:

19384 Titus Court
Saratoga, CA 95050

Date: _____

Post Office Address:

Same as above

Country of Citizenship: Malaysia

Full name of **fourth** inventor: LAWRENCE CHUNG-LAI LEI

Inventor's signature: _____

Date: _____

Residence: 1594 Country Club Drive
Milipitas, CA 95035

Post Office Address: Same as above

Country of Citizenship: U.S.A.

Full name of **fifth** inventor: AVGERINOS GELATOS

Inventor's signature: _____

Date: _____

Residence: 2651 Eaton Avenue
Redwood City, CA 94062

Post Office Address: Same as above

Country of Citizenship: U.S.A.

Full name of **sixth** inventor: SALVATOR P. UMOTOY

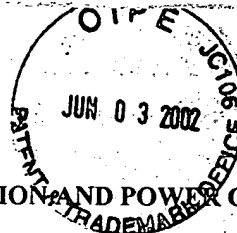
Inventor's signature: _____

Date: _____

Residence: 2801 Wildflower Drive
Antioch, CA 94509

Post Office Address: Same as above

Country of Citizenship: U.S.A.



PATENT
6537/CM/TICL/LE

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

COPY OF PAPERS
ORIGINALLY FILED

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

SHOWERHEAD ASSEMBLY FOR A PROCESSING CHAMBER

The specification of which:

- ☐ filed herewith;
- ☒ was filed on January 15, 2002, under Serial No. 10/047,076, executed on even date herewith; or
- ☐ Express Mail No. _____ (Serial No. not yet known)
and was amended on _____ (if applicable)
- ☐ was described and claimed in PCT International Application No. _____ filed on _____
and as amended under PCT Article 19 on _____

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56, and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any provisional or foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:
Application No:
Filing date:

C. U.S. Provisional Application filed within 12 months prior to this application

<u>Serial No.</u>	<u>Filing Date</u>

PRIORITY CLAIM (35 U.S.C. §120)

I hereby claim the benefit under Title 35, United States Code, Section 120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

☒ No such applications have been filed

☐ Such application have been filed, as follows:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Status</u>
		<u>Patented Pending</u> <u>Abandoned</u>

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Donald Verplancken	Registration No. 33,217
Peter J. Sgarbossa	Registration No. 25,610
Lawrence Edelman	Registration No. 25,226
Raymond Kam-On Kwong	Registration No. 37,165
James C. Wilson	Registration No. 35,412
Michael B. Einschlag	Registration No. 29,301
Robert W. Mulcahy	Registration No. 25,436

Walter Benjamin Glenn
Joseph Bach
B. Todd Patterson
Raymond R. Moser, Jr.
Keith M. Tackett
Joseph Pagnotta

Registration No. 44,713
Registration No. 37,771
Registration No. 37,906
Registration No. 34,682
Registration No. 32,008
Registration No. 39,322

Send correspondence to:

Patent Counsel
APPLIED MATERIALS, INC.
P. O. Box 450-A
Santa Clara, CA 95052

Direct telephone calls to:

B. Todd Patterson
MOSER, PATTERSON & SHERIDAN, L.L.P.
Telephone No. (713) 623-4844

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or first inventor: MARK M. HYTROS

Inventor's signature: _____

Date: _____

Residence: 592 Mill Creek Lane
Santa Clara, CA 95051

Post Office Address: Same as above

Country of Citizenship: U.S.A.

Full name of second inventor: TRUC T. TRAN

Inventor's signature: Truc T. Tran

Date: 4/29/02

Residence: 45334 Rutherford Terrace
Fremont, CA 94539

Post Office Address: Same as above

Country of Citizenship: U.S.A.

Full name of third inventor: HONGBEE TEOH

Inventor's signature: _____

Date: _____

Residence: 19384 Titus Court
Saratoga, CA 95050

Post Office Address: Same as above

Country of Citizenship: Malaysia

Full name of **fourth** inventor: LAWRENCE CHUNG-LAI LEI

Inventor's signature: _____
Residence: 1594 Country Club Drive
Milipitas, CA 95035

Date: _____

Post Office Address: Same as above

Country of Citizenship: U.S.A.

Full name of **fifth** inventor: AVGERINOS GELATOS

Inventor's signature: _____
Residence: 2651 Eaton Avenue
Redwood City, CA 94062

Date: _____

Post Office Address: Same as above

Country of Citizenship: U.S.A.

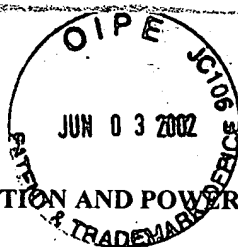
Full name of **sixth** inventor: SALVATOR P. UMOTOY

Inventor's signature: _____
Residence: 2801 Wildflower Drive
Antioch, CA 94509

Date: _____

Post Office Address: Same as above

Country of Citizenship: U.S.A.



PATENT
6537/CMI/TICL/LE

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

COPY OF PAPERS
ORIGINALLY FILED

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

SHOWERHEAD ASSEMBLY FOR A PROCESSING CHAMBER

The specification of which:

- ☐ filed herewith;
- ☒ was filed on January 15, 2002, under Serial No. 10/047,076, executed on even date herewith; or
- ☐ Express Mail No. _____ (Serial No. not yet known)
and was amended on _____ (if applicable)
- ☐ was described and claimed in PCT International Application No. _____ filed on _____
and as amended under PCT Article 19 on _____

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56, and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any provisional or foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:
Application No:
Filing date:

C. U.S. Provisional Application filed within 12 months prior to this application

<u>Serial No.</u>	<u>Filing Date</u>

PRIORITY CLAIM (35 U.S.C. §120)

I hereby claim the benefit under Title 35, United States Code, Section 120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

☒ No such applications have been filed

☐ Such application have been filed, as follows:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Status</u>
		<u>Patented Pending</u> <u>Abandoned</u>

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Donald Verplancken	Registration No. 33,217
Peter J. Sgarbossa	Registration No. 25,610
Lawrence Edelman	Registration No. 25,226
Raymond Kam-On Kwong	Registration No. 37,165
James C. Wilson	Registration No. 35,412
Michael B. Einschlag	Registration No. 29,301
Robert W. Mulcahy	Registration No. 25,436

Walter Benjamin Glenn
Joseph Bach
B. Todd Patterson
Raymond R. Moser, Jr.
Keith M. Tackett
Joseph Pagnotta

Registration No. 44,713
Registration No. 37,771
Registration No. 37,906
Registration No. 34,682
Registration No. 32,008
Registration No. 39,322

Send correspondence to:

Patent Counsel
APPLIED MATERIALS, INC.
P. O. Box 450-A
Santa Clara, CA 95052

Direct telephone calls to:

B. Todd Patterson
MOSER, PATTERSON & SHERIDAN, L.L.P.
Telephone No. (713) 623-4844

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or first inventor: MARK M. HYTROS

Inventor's signature: _____

Date: _____

Residence: 592 Mill Creek Lane
Santa Clara, CA 95051

Post Office Address: Same as above

Country of Citizenship: U.S.A.

Full name of second inventor: TRUC T. TRAN

Inventor's signature: _____

Date: _____

Residence: 45354 Rutherford Terrace
Fremont, CA 94539

Post Office Address: Same as above

Country of Citizenship: U.S.A.

Full name of third inventor: HONGBEE TEOH

Inventor's signature: _____

Date: May 5, 2002

Residence: 19384 Titus Court
Saratoga, CA 95050

Post Office Address: Same as above

Country of Citizenship: Malaysia

Full name of **fourth** inventor: LAWRENCE CHUNG-LAI LEI

Inventor's signature: _____

Date: _____

Residence: 1594 Country Club Drive
Milipitas, CA 95035

Post Office Address: Same as above

Country of Citizenship: U.S.A.

Full name of **fifth** inventor: AVGERINOS GELATOS

Inventor's signature: _____

Date: _____

Residence: 2651 Eaton Avenue
Redwood City, CA 94062

Post Office Address: Same as above

Country of Citizenship: U.S.A.

Full name of **sixth** inventor: SALVATOR P. UMOTOY

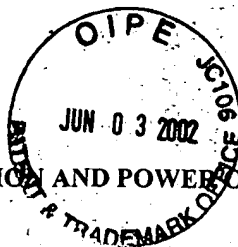
Inventor's signature: _____

Date: _____

Residence: 2801 Wildflower Drive
Antioch, CA 94509

Post Office Address: Same as above

Country of Citizenship: U.S.A.



PATENT
6537/CM/TICL/LE

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

COPY OF PAPERS
ORIGINALLY FILED

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

SHOWERHEAD ASSEMBLY FOR A PROCESSING CHAMBER

The specification of which:

- ☐ filed herewith;
- ☒ was filed on January 15, 2002, under Serial No. 10/047,076, executed on even date herewith; or
- ☐ Express Mail No. _____ (Serial No. not yet known)
and was amended on _____ (if applicable)
- ☐ was described and claimed in PCT International Application No. _____ filed on _____
and as amended under PCT Article 19 on _____.

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56, and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any provisional or foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

<u>Country/PCT</u>	<u>Application No.</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:
Application No:
Filing date:

C. U.S. Provisional Application filed within 12 months prior to this application

<u>Serial No.</u>	<u>Filing Date</u>

PRIORITY CLAIM (35 U.S.C. §120)

I hereby claim the benefit under Title 35, United States Code, Section 120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

☒ No such applications have been filed

☐ Such application have been filed, as follows:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Status</u>
		<u>Patented Pending</u> <u>Abandoned</u>

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Donald Verplancken	Registration No. 33,217
Peter J. Sgarbossa	Registration No. 25,610
Lawrence Edelman	Registration No. 25,226
Raymond Kam-On Kwong	Registration No. 37,165
James C. Wilson	Registration No. 35,412
Michael B. Einschlag	Registration No. 29,301
Robert W. Mulcahy	Registration No. 25,436

Walter Benjamin Glenn
Joseph Bach
B. Todd Patterson
Raymond R. Moser, Jr.
Keith M. Tackett
Joseph Pagnotta

Registration No. 44,713
Registration No. 37,771
Registration No. 37,906
Registration No. 34,682
Registration No. 32,008
Registration No. 39,322

Send correspondence to:

Patent Counsel
APPLIED MATERIALS, INC.
P. O. Box 450-A
Santa Clara, CA 95052

Direct telephone calls to:

B. Todd Patterson
MOSER, PATTERSON & SHERIDAN, L.L.P.
Telephone No. (713) 623-4844

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or first inventor: MARK M. HYTROS

Inventor's signature: _____

Date: _____

Residence: 592 Mill Creek Lane
Santa Clara, CA 95051

Post Office Address: Same as above

Country of Citizenship: U.S.A.

Full name of second inventor: TRUC T. TRAN

Inventor's signature: _____

Date: _____

Residence: 45354 Rutherford Terrace
Fremont, CA 94539

Post Office Address: Same as above

Country of Citizenship: U.S.A.

Full name of third inventor: HONGBEE TEOH

Inventor's signature: _____

Date: _____

Residence: 19384 Titus Court
Saratoga, CA 95050

Post Office Address: Same as above

Country of Citizenship: Malaysia

Full name of **fourth** inventor: LAWRENCE CHUNG-LAI LEI

Inventor's signature: _____

Residence:

1594 Country Club Drive
Milipitas, CA 95035

Date: _____

4/26/02

Post Office Address:

Same as above

Country of Citizenship: U.S.A.

Full name of **fifth** inventor: AVGERINOS GELATOS

Inventor's signature: _____

Residence:

2651 Eaton Avenue
Redwood City, CA 94062

Date: _____

Post Office Address:

Same as above

Country of Citizenship: U.S.A.

Full name of **sixth** inventor: SALVATOR P. UMOTOY

Inventor's signature: _____

Residence:

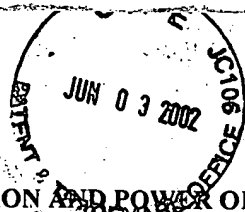
2801 Wildflower Drive
Antioch, CA 94509

Date: _____

Post Office Address:

Same as above

Country of Citizenship: U.S.A.



COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

**COPY OF PAPERS
ORIGINALLY FILED**

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

SHOWERHEAD ASSEMBLY FOR A PROCESSING CHAMBER

The specification of which:

- ☐ filed herewith;
- ☒ was filed on January 15, 2002, under Serial No. 10/047,076, executed on even date herewith; or
- ☐ Express Mail No. _____ (Serial No. not yet known)
and was amended on _____ (if applicable)
- ☐ was described and claimed in PCT International Application No. _____ filed on _____
and as amended under PCT Article 19 on _____.

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56, and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any provisional or foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:
Application No:
Filing date:

C. U.S. Provisional Application filed within 12 months prior to this application

<u>Serial No.</u>	<u>Filing Date</u>

PRIORITY CLAIM (35 U.S.C. §120)

I hereby claim the benefit under Title 35, United States Code, Section 120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

☒ No such applications have been filed

☐ Such application have been filed, as follows:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Status</u>
		<u>Patented Pending</u> <u>Abandoned</u>

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Donald Verplancken	Registration No. 33,217
Peter J. Sgarbossa	Registration No. 25,610
Lawrence Edelman	Registration No. 25,226
Raymond Kam-On Kwong	Registration No. 37,165
James C. Wilson	Registration No. 35,412
Michael B. Einschlag	Registration No. 29,301
Robert W. Mulcahy	Registration No. 25,436

Walter Benjamin Glenn
Joseph Bach
B. Todd Patterson
Raymond R. Moser, Jr.
Keith M. Tackett
Joseph Pagnotta

Registration No. 44,713
Registration No. 37,771
Registration No. 37,906
Registration No. 34,682
Registration No. 32,008
Registration No. 39,322

Send correspondence to:

Patent Counsel
APPLIED MATERIALS, INC.
P. O. Box 450-A
Santa Clara, CA 95052

Direct telephone calls to:

B. Todd Patterson
MOSER, PATTERSON & SHERIDAN, L.L.P.
Telephone No. (713) 623-4844

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or first inventor: MARK M. HYTROS

Inventor's signature: _____

Date: _____

Residence: 592 Mill Creek Lane
Santa Clara, CA 95051

Post Office Address: Same as above

Country of Citizenship: U.S.A.

Full name of second inventor: TRUC T. TRAN

Inventor's signature: _____

Date: _____

Residence: 45354 Rutherford Terrace
Fremont, CA 94539

Post Office Address: Same as above

Country of Citizenship: U.S.A.

Full name of third inventor: HONGBEE TEOH

Inventor's signature: _____

Date: _____

Residence: 19384 Titus Court
Saratoga, CA 95050

Post Office Address: Same as above

Country of Citizenship: Malaysia

Full name of **fourth** inventor: LAWRENCE CHUNG-LAI LEI

Inventor's signature: _____

Date: _____

Residence: 1594 Country Club Drive
Milipitas, CA 95035

Post Office Address: Same as above

Country of Citizenship: U.S.A.

Full name of **fifth** inventor: AVGERINOS GELATOS

Inventor's signature: _____

Date: 4/26/02

Residence: 2651 Eaton Avenue
Redwood City, CA 94062

Post Office Address: Same as above

Country of Citizenship: U.S.A.

Full name of **sixth** inventor: SALVATOR P. UMOTOY

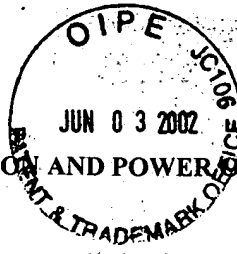
Inventor's signature: _____

Date: _____

Residence: 2801 Wildflower Drive
Antioch, CA 94509

Post Office Address: Same as above

Country of Citizenship: U.S.A.



PATENT
6537/CMI/TICL/LE

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

COPY OF PAPERS
ORIGINALLY FILED

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

SHOWERHEAD ASSEMBLY FOR A PROCESSING CHAMBER

The specification of which:

- ☐ filed herewith;
- ☒ was filed on January 15, 2002, under Serial No. 10/047,076, executed on even date herewith; or
- ☐ Express Mail No. _____ (Serial No. not yet known)
and was amended on _____ (if applicable)
- ☐ was described and claimed in PCT International Application No. _____ filed on _____
and as amended under PCT Article 19 on _____

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56, and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any provisional or foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:
Application No:
Filing date:

C. U.S. Provisional Application filed within 12 months prior to this application

<u>Serial No.</u>	<u>Filing Date</u>

PRIORITY CLAIM (35 U.S.C. §120)

I hereby claim the benefit under Title 35, United States Code, Section 120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

☒ No such applications have been filed

☐ Such application have been filed, as follows:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Status</u>
		<u>Patented</u> <u>Pending</u> <u>Abandoned</u>

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Donald Verplancken	Registration No. 33,217
Peter J. Sgarbossa	Registration No. 25,610
Lawrence Edelman	Registration No. 25,226
Raymond Kam-On Kwong	Registration No. 37,165
James C. Wilson	Registration No. 35,412
Michael B. Einschlag	Registration No. 29,301
Robert W. Mulcahy	Registration No. 25,436

Walter Benjamin Glenn
Joseph Bach
B. Todd Patterson
Raymond R. Moser, Jr.
Keith M. Tackett
Joseph Pagnotta

Registration No. 44,713
Registration No. 37,771
Registration No. 37,906
Registration No. 34,682
Registration No. 32,008
Registration No. 39,322

Send correspondence to:

Patent Counsel
APPLIED MATERIALS, INC.
P. O. Box 450-A
Santa Clara, CA 95052

Direct telephone calls to:

B. Todd Patterson
MOSER, PATTERSON & SHERIDAN, L.L.P.
Telephone No. (713) 623-4844

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or first inventor: MARK M. HYTROS

Inventor's signature: _____

Date: _____

Residence: 592 Mill Creek Lane
Santa Clara, CA 95051

Post Office Address: Same as above

Country of Citizenship: U.S.A.

Full name of second inventor: TRUC T. TRAN

Inventor's signature: _____

Date: _____

Residence: 45354 Rutherford Terrace
Fremont, CA 94539

Post Office Address: Same as above

Country of Citizenship: U.S.A.

Full name of third inventor: HONGBEE TEOH

Inventor's signature: _____

Date: _____

Residence: 19384 Titus Court
Saratoga, CA 95050

Post Office Address: Same as above

Country of Citizenship: Malaysia

Full name of **fourth** inventor: LAWRENCE CHUNG-LAI LEI

Inventor's signature: _____

Date: _____

Residence: 1594 Country Club Drive
Milipitas, CA 95035

Post Office Address: Same as above

Country of Citizenship: U.S.A.

Full name of **fifth** inventor: AVGERINOS GELATOS

Inventor's signature: _____

Date: _____

Residence: 2651 Eaton Avenue
Redwood City, CA 94062

Post Office Address: Same as above

Country of Citizenship: U.S.A.

Full name of **sixth** inventor: SALVADOR P. UMOTOY
SALVADOR

Inventor's signature: *Spumoy* _____

Date: *4/25/02*

Residence: 2801 Wildflower Drive
Antioch, CA 94509

Post Office Address: Same as above

Country of Citizenship: U.S.A.